



US006277395B1

(12) **United States Patent**  
Fukui et al.(10) Patent No.: **US 6,277,395 B1**  
(45) Date of Patent: **Aug. 21, 2001**(54) **SWALLOWING-ASSISTIVE DRINK**(75) Inventors: **Atsuko Fukui, Yotsukaide; Masanori Nakajima, Chiba; Takashi Kamijima, Ina; Mika Ohta, Kamiina, all of (JP)**(73) Assignee: **Ryukakusan Co. Ltd., Tokyo (JP)**

(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/524,247**(22) Filed: **Mar. 13, 2000**(51) Int. Cl.<sup>7</sup> ..... **A61K 47/00**(52) U.S. Cl. .... **424/439; 424/451; 424/464; 424/489**(58) Field of Search ..... **426/573, 577, 426/578, 590; 424/439, 451, 464, 489**(56) **References Cited****U.S. PATENT DOCUMENTS**

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*Primary Examiner*—Thurman K. Page*Assistant Examiner*—Liliana Di Nola-Baron(74) *Attorney, Agent, or Firm*—Mark B. Garred; Stetina Brunda Garred & Brucker

## (57)

**ABSTRACT**

To provide a swallowing-assistive drink for medicines that improves swallowing various medicines, is convenient and substitutable with ordinary drinking water, and does not disturb the efficacy of medicines and a swallowing method.

A swallowing-assistive drink for helping swallowing medicines that contains water and an adhesive paste, forming a viscous liquid or a gelatinoïd. If the drink is viscous liquid, the viscosity is 1,000–25,000 cP at 20° C., and if the drink is gelatinous, jelly strength is 10–100 g/cm<sup>2</sup> at 20° C.

**14 Claims, 15 Drawing Sheets**Plunger diameter 2cm (3.14Cm<sup>2</sup>)

Press rate 10mm/sec

Clearance 5mm

Measurement Temperature 20 °C

